

Abstract

A signal transmission method in a wireless base station system is provided, comprising: in the downlink direction, the wireless network control device transmits downlink data frames of the cell to the base station to which their channel processing relates for processing; the first base station receives corresponding downlink wireless signals from the base station which the channel processing of the cell's downlink data frames relates to; and the first base station transmits the downlink wireless signals for the cell; and in the uplink direction, the first base station receives uplink wireless signals of the cell; the first base station distributes a part or all of the uplink wireless signals to the base station to which their channel processing relates for processing; the wireless network control device receives corresponding uplink data frames from the base station which the channel processing of the uplink wireless signals relates to, wherein the base station which the channel processing of the downlink data frames relates to, or the base station which the channel processing of the uplink wireless signals relates to comprises at least the second base station.